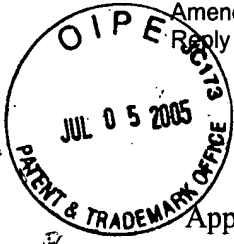


7-06-05

JPW

Application No. 10/823,177
 Amendment dated July 5, 2005
 Reply to Office action of January 5, 2005



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/823,177 Confirmation No. 3715
 Applicant : Oleg S. Fishman et al.
 Filed : April 13, 2004
 TC/A.U. : Art Unit 3742
 Examiner : Tu Ba HOANG
 Docket No. : 1946-009US
 Customer No. : 31855
 Title : Vacuum Chamber for Induction Heating and Melting

REPLY TO OFFICE ACTION

Mail Stop AMENDMENT
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

To the Commissioner for Patents:

This reply is in response to the non-final Office action mailed January 5, 2005, and is being filed within three months (July 5, 2005) after the 3-month shortened statutory period for reply. The Director of the U.S. Patent and Trademark Office is authorized to charge Deposit Account No. 502435 (Intel, Inc.) for the 37 CFR 1.17(a)(3) \$1,020.00 three-month extension fee, and any other fee associated with filing this response.

Amendments to the Claims are reflected in the listing of claims, which begin on page 2 of this paper.

Remarks/Arguments begin on page 4 of this paper.

CERTIFICATE OF MAILING BY EXPRESS MAIL (37 CRR 1.10)

EXPRESS MAIL Mailing Label No. ED732884885

Date of Deposit: July 5, 2005

I hereby certify that this paper, any papers referenced therein, and fee payments are being deposited with the United States Postal Service EXPRESS MAIL POST OFFICE TO ADDRESSEE service under 37 CFR 1.10 on the date indicated above and is address to the Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signature

Printed Name: Philip O. Post